

## **ABSTRACT**

### **TUNER**

A tuner for digital terrestrial television has an input section which supplies a sampled intermediate signal, for example at zero intermediate frequency and digitised by an ADC, corresponding to a desired reception channel corrupted by interference such as impulsive noise interference. A threshold generator generates a threshold which is larger than a moving average of the amplitudes of consecutive samples and a comparator compares the amplitudes of the samples with the threshold. If a sample amplitude exceeds the threshold, a corrector sets to zero the sample before processing by a fast Fourier transform. The threshold generator excludes samples which have been set to zero from the moving average.